www.neostar-electronics.co.uk

NEGATIVE & SLIDE TO SD SCANNER – FS351N

USER MANUAL

Thank you for purchasing your Neostar Film and Slide to SD Scanner.
Please read and retain these instructions for future reference.

Extra 3-packs of Slide or Negative Holders are available to purchase directly from the www.neostar-electronics.co.uk website or from your local retailer, or call us to place order 0845 555 4444.

RoHS Compliant

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Safety precautions

Important: Do not expose this product to rain or moisture to preserve the life of your product.
Caution: Do not disassemble this unit. To prevent this risk of electric shock, do not remove cover.
Ventilation: The device should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings.
Heat: The device should be situated away from sources of high heat such as radiators or stoves.
Cleaning: We strongly suggest using a clean, dry, non-alcohol cotton swab to clean the glass surface periodically to produce a clear image.
Non use period: The USB cord for the device should be unplugged from the computer when the unit is left unused for a long period of time.
USB overloading: Do not overload the USB connections on your computer. If you have too many devices connected to your computer such as a wireless mouse, Media player, Mobile phone or other USB powered devices. There may not be enough power for the film scanner to operate properly.
Servicing: The user should not attempt to service the device beyond those means described in the operating instructions. All other servicing should be referred to qualified person.
Film Holder: The design of film holder follows ISO standard. In some cases the holes on the film will not match exactly to alignment of the holder. This is caused by a non-standard camera. In this case, there will be a small black line on the edge of the frame that can easily be cropped out using photo editing software.

Warranty Conditions

This product is fully-warranted against defective materials and manufacturing faults for a period of Twelve Months from The date of registered purchase under the following provisions:

1. This warranty is non-transferable and does not cover damage to products caused by accident, rental, abuse and other public disturbances in any way.
2. This warranty becomes invalid if the serial number has been removed, defaced,changed or alterations have been made and equipment is repaired or alteration changed by any other unauthorized dealers.
3. The dealer's invoices and this warranty card take effect when they have been Verified.

This warranty invalid under following conditions:

A. Warranty card is altered or defaced;
B. Serial Number sticker don't accord with its original state;
C. Unauthorized repair or modifications to the product.
D. Accidents, abuse, improper installation, any improper manner and unauthorized repair.
E. using unmatched power supply / voltage;
F. Using mismatch operation manual
G. Abnormal worn and tear;
H. Corrosion, rusting or stains;
I. Any losses, damages, defects and malfunctions caused force majeure, fire and civil unrest.

The warranty enter into effect once the customers agree to abide by the terms and conditions of warranty

Environmental protection: do not dispose in the normal household waste, Dispose directly with the purchaser, us as the manufacturer or take to your local recycling centre. Visit www.neostar-electronics.co.uk or www.recyclenow.com
Customer Service: for technical advice visit the www.neostar-electronics website or call us on 0845 555 4440 (calls charged at local rate for UK BT customers; other network charges may vary).

Product Specification

Size	87mmL*86.5mmW*102.5mmH
Weight	about 300g
Sensor	5Mega Pixels CMOS Sensor
Effective resolution	5 Mega Pixels
Storage media	SD card, compatible SDHC card
Sensitivity	auto
Lens	fixed focus F/6.0, F=6.34mm
Focus range	5.6cm
Still image	format: JPEG , resolution: 5M, 10M (interpolation)
Zoom	no
Display	2.36" TFT
TV output format	NTSC/PAL
Light sources	backlight compensation(3LED)
White balance	auto
Exposure compensation	auto and also manual adjust via menu
Interface	MSDC: USB2.0
Auto turn on	no
Power	DC 5V
Operation system	Windows Vista, XP, Windows 7
CPU	Intel Pentium 42.8GHz above
Memory	512MB above
Video card	64MB or high top video card
Transmission connection	standard USB2.0 or above
Hard disk capacity	at least 200MB
User manual	yes
Adapter	yes
Positive board holder	yes
Negative board holder	yes
Brush	yes
USB cable	yes

Features

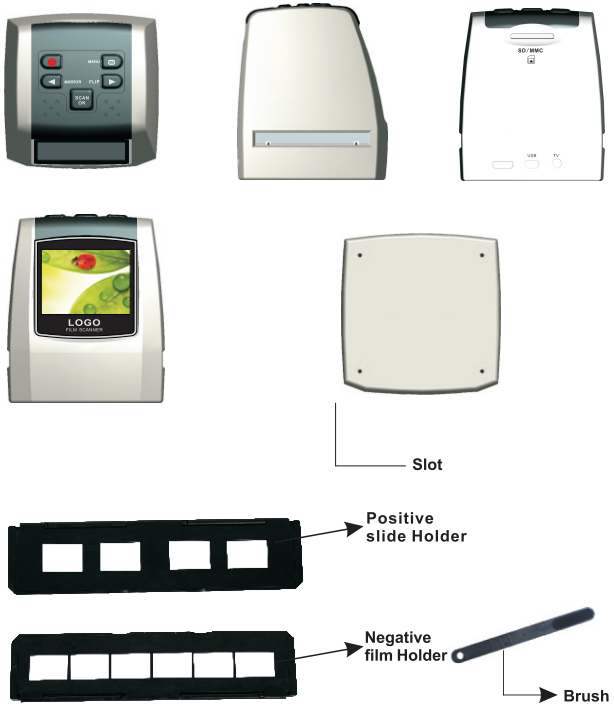
--Stand alone film scanner, without the need to connect to a PC
--Powered by USB connection to PC or via AC mains power adapter
--Two-way insertion for negative & slide film holder or entire rolls of film
--High resolution 5Mega pixel CMOS sensor
--Scan both 35mm old/new negative and slide films
--With TV output(lead supplied) it can connect to TV

Package contents

- ◆Film scanner
- ◆USB cable
- ◆Negative Film holder
- ◆Positive slide holder
- ◆AC/DC adapter
- ◆User's Manual
- ◆AV cable
- ◆Brush

NOTE: You will occasionally need to clean the backlight panel using the cleaning brush provided. Lay the film scanner main body on its side, insert the brush into the side slot and clean the backlight panel. This will help remove dust from the scanner and will lead to cleaner, better scanned images.

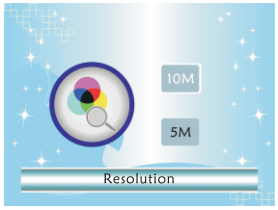
Description of parts



Note: choosing English, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese, French according to user's need.

Resolution

5M or 10M can be chosen after enter into subordinate menu of resolution



Storage

A: after connecting the main unit to PC and turn on scanner, then enter into the menu

B: Selecting USB MSDC by pressing left / right key. The pictures scanned can be found in PC when the scanner screen turn off

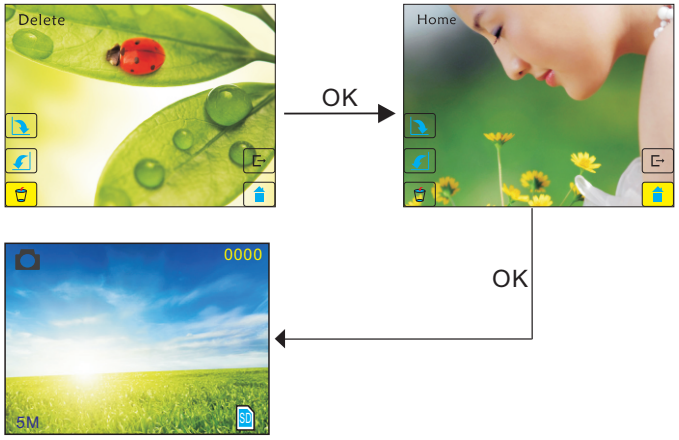
C: preview and read picture on PC

Connect to TV

Insert the black end of the AV cable into the scanners TV output, then connect other end of cable to your televisions AV IN interface. You then need to use your TV remote control to find the channel which the scanner will appear on, you should see the LCD display appear on your TV!

Delete/ Return

If there are pictures that you have scanned but would like to delete,then select playback mode from main menu,select image you wish to delete, when you are viewing the image press ‘menu’ button and scroll through the onscreen options until you select ‘delete’; when you have selected delete press ‘Ok’.

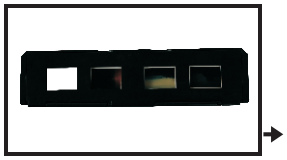


Language Setting

Loading Slides

Hold up the slide toward the light. Face the trademark side of the slide away from you. Look through the slide and it should appear normally (not a mirror image).
Now turn the slide so the image is upside down while looking at the same side.

Open the slide holder at the marked spot on the top. With the slide holder laid open place the slide into recessed area in the holder- the slide should fit perfectly.
Note: Handle slides with care. Any dust, Scratches or finger prints will show up on your saved images. If possible use cotton gloves when handling slides. It is recommended to use compressed air to remove any dust on the slides. This is not included with the film Scanner but can be purchased from an office supply or electronics retailer.

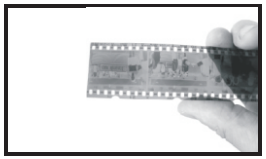


Close the slide holder and press the edges so that it locks in place.

Insert the Slide Holder into the slot on the right side of the film scanner as shown.

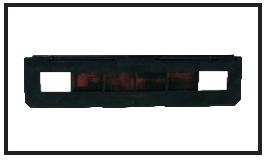
Loading Negatives

Hold up the negative toward the light. As you look through the negative you should be able to read the small negative numbers normally (not a mirror image).
Now turn the negative so the image is upside down while looking at the same side.



Open the negative holder at the marked spot on the top. With the negative holder laid open place the negative into holder so the notches line up with the notches on the holder.
Note: Handle negatives with care. Any dust, scratches or finger prints will show up on your saved images. If possible use cotton gloves when handling negatives. it is recommended to use compressed air to remove any dust on the negatives.
This is not included with the film scanner but can be purchased from an office supply or electronics retailer.

Close the negative holder and press the edges so that it locks in place.
Hold it in the position as shown in the film scanner.

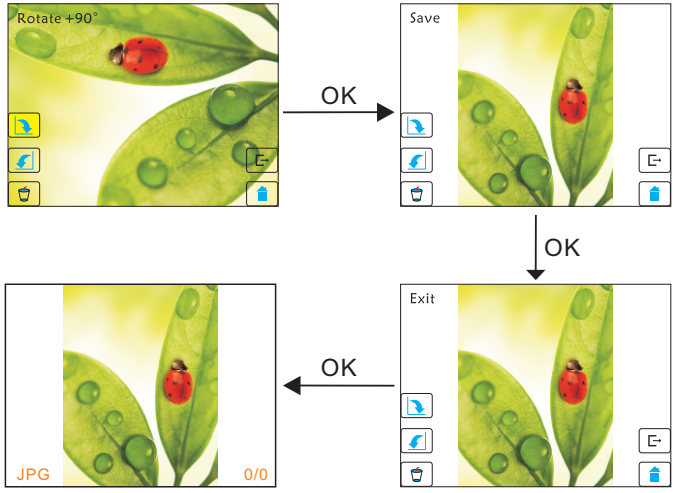


Insert the negative holder into the slot on the right side of the film scanner as shown.
Film Holder: The design of film holder follows ISO standards. In some cases the holes on the film will not match exactly to alignment of the holder. This is caused by a non-standard camera. In this case there will be a small black line on the edge of the frame that can easily be cropped out using photo editing software.
* ISO-- International Organization for Standardization

④ exit: return to playback mode from subordinate menu
⑤ return : back to capture picture mode from playback mode

Adjust and Save Picture

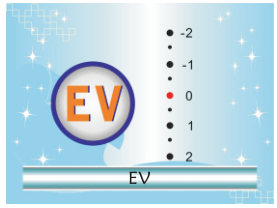
After enter into playback mode, then press menu key to enter into subordinate menu of playback, Choosing picture rotation degree, then press OK key for making sure. After finished operation, exit to subordinate menu or return to capture picture mode according to need.



①.B&W film: choose B&W if there is B&W film in holder
②.Slide film: choose slide film if there is slide film in holder
③.Negative film: choose negative film if there is negative film in holder

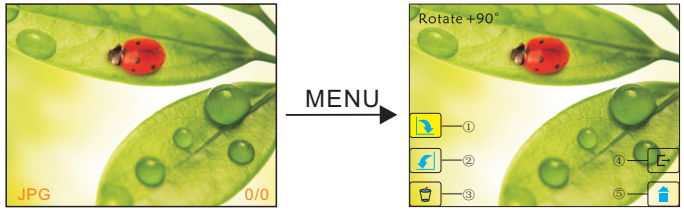
Exposure Compensation

Press menu key to enter into main menu to choose exposure compensation on shooting mode, then setting exposure value of scanning picture.



Playback Mode

After enter into playback mode from menu, image will be shown on screen automatically. Images can be scrolled through by pressing either left or right arrow keys.



Subordinate menu of playback

①.rotation +90 : capture picture, then rotate 90degree
②.rotation -90: capture picture, then rotate90degree
③.delete: delete picture from memory card

Quick Start Guide

1. Load film or negative film to holder
2. Insert holder to scanner
3. Provide power to the scanner (using mains power lead supplied, or using USB lead connected to PC)
4. Press power button to turn on scanner
5. Press scanning button to start scanning
6. Operate according to onscreen instruction main menu
7. After finishing working, take storage card out and playback on a computer, digital photo frame etc, or take them to be printed
8. Files can also be dragged from the SD card to the PC/Mac using USB connection (for safe permanent storage)

Quick Menu Guide

1. Capture picture mode: A (select slide, negative, black and white) B: exposure compensation (see page 9 for details)
2. Playback mode – playback your scanned images.
3. Resolution: Select 5mega/ 10megapixel (interpolated)
4. Language setting: English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese.
5. Storage: MSDC mode (mass storage – SD memory card)

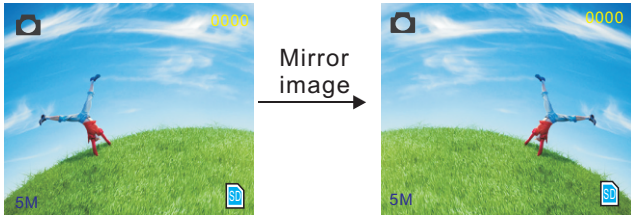
Capture Picture

When image quality (5MP / 10MP) has been selected, the image can be captured (takes about 2 seconds per scan). Enter into main menu to choose shooting mode to set slide style and EV value (exposure value).

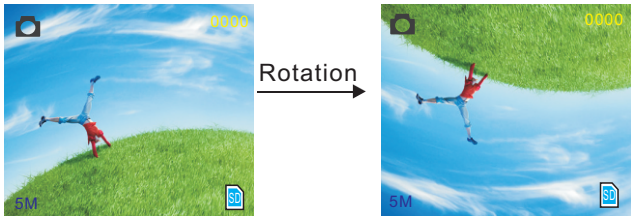
- shooting mode
- 0000 — scanning amount available
- 5M — resolution
- sign to card

Mirror Image/ Rotation

If you need to mirror image or rotate image when picture has been scanned, you can press left key/ right key to adjust it, then capture picture.



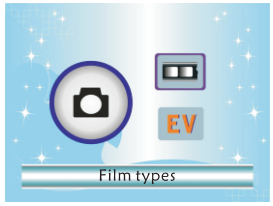
Press left key (mirror image), the image will be altered from left to right



Press right key(rotation), the image will be altered from up to down

Main Menu

Capture picture mode



Slide style

Press menu key to enter into main menu to choose slide style on shooting mode. Choose needed image type like positive film, negative film, B&W.